

7/24 Digital Signage 4500nit BAB Eclipse Series

The next-generation BAB series window display is equipped with Eclipse UV Shield technology, effectively protecting the screen from UV-induced screen yellowing and blackening caused by sunlight. With High Luminance Efficiency Technology, it delivers the high brightness levels required for window displays (2500/3500/4500 nits) while significantly reducing energy consumption compared to similar products. This makes it the perfect balance of exceptional performance and energy efficiency.

BAB5525A-AA-45



• Eclipse Shield

- The window-facing series, equipped with Eclipse Shield, protects against UV rays and excessive heat. Its high-luminance efficiency technology reduces energy consumption and operating temperatures without compromising brightness, effectively preventing issues such as screen blackening and yellowing.



• High luminance efficiency

- The window-facing series, featuring high-luminance efficiency technology, achieves superior brightness while reducing energy consumption compared to other products at the same brightness level. It offers a perfect blend of performance and energy efficiency, delivering a viewing experience that is both brighter and greener.



• Green Technology

- Features ultra-low power consumption.
- Achieves energy savings of up to 65%.



• Optimal Visual Clarity

- High-performance image processor.
- Delivers true color expression and high resolution.
- Offers adjustable picture quality and white balance.



• High Reliability

- Wide Operating temperature
-10°C ~ +35°C(Direct Sunlight); -10°C ~ +45°C(w/o Direct Sunlight)
- IP5X Front panel
The equipment has excellent dust-proof performance and can easily cope with the needs of indoor scenes.



• Fanless Design

- Enhanced cooling design: fanless without compromising brightness.
- Work smarter, not louder – enjoy a fanless design for a distraction-free experience.



• Outdoor Optimized High-Bright Display

- Achieves 4500 cd/m² for exceptional brightness.
- Ensures excellent visibility in direct sunlight
- Includes a smart light sensor for optimal brightness adjustment.



• Local Dimming Innovation

- Implements LDM with an extensive number of zones.
- Achieves an ultra-high contrast ratio up to 450,000:1.



• Enhanced Component Design

- Lightweight design for easy handling.
- Constructed with high-strength aluminum alloy for durability.
- Modular components facilitate maintenance and replacement.



• Polarized Sunglasses Compatible

Specification

Hardware Specification

Panel	IPS
Display Size	55 inch
Protection Glass	N/A
Protection Level	IP 5X (Front Panel)
Front Color	Black
Shell	Aluminum
Set Dimension (L*W*D)	1232 x 702.8 x 56.85mm
Bezel Width Width(mm)	10mm
Active Display Area (H*V)	1209.6 x 680.4mm
Resolution	1920 x 1080
Type	MiniLED BLU
Brightness(Typ.)	4500 cd/m ²
Contrast Ratio(Typ.)	450000:1
Viewing Angle(H/V)	178°(H) x 178°(V)(CR≥10)
Display Colors	16.7M
Color Gamut	72%
Response Time	6ms (Typ)
Operation Hour	24/7
Panel Orientation	Landscape/ Portrait
Smart Solution	PTC.DT1AHE-LAB
Connectivity	USB2.0*2, HDMI In*2, HDMI Out*1, Ethernet(RJ45)*2, RS232(RJ45)*1, Line Out*1, Sensor*1, IR In*1
Power	Input Supply: 100-240V AC, 50/60Hz
Max Power Consumption	300W
Typical[W/h]: (IEC 62087)	159W
Speaker	5W/8Ω *2
IR	External connection
Touch	N/A
Camera	N/A
Installation	Wall mount
VESA Mount	400 x 400mm
Package(W*H*D)	1404 x 867 x 180mm
Weight (kg)	N.W: 25.9 kg G.W: 31.3kg
Operating Temperature	-10°C ~ +35°C(Direct Sunlight) -10°C ~ +45°C(w/o Direct Sunlight)
Storage	-10°C ~ +60°C

System Specification

CPU	ARM Quad Core Cortex-A73
GPU	Arm Mali-G52 MC1
Operating System	Android 14
Screen Health	Smart Backlight Control - Yes
	Smart Temperature Control - Yes
	Smart Fans Control - No(Fanless)
	Smart Monitoring System Cloud - Yes/CetusMSC
Remote Management	Overheating Protection - Yes
Cloud Advertising	Optional
Distribution System	
Cloud Splice System	Optional
Memory	DDR4 4GB(DDR4 8GB Optional)
Storage	EMMC 32GB
Ethernet	Ethernet (RJ45)
	WiFi 802.11b/g/n/ac 4G LTE(FDD/TDD) (Optional)
Panel Image Rotation	0/90/180/270 Angle Rotation
Video Decoder	MPEG-1/2/4, H.264, HEVC, VP8, VP9, AVS+, AVS2, AV1
Audio Decoder	MPEG-1, MPEG-2(layer/II) MP3, AAC-LC, HE-AAC
Picture Decoding	JPG, JPEG, PNG, BMP

What's in the box

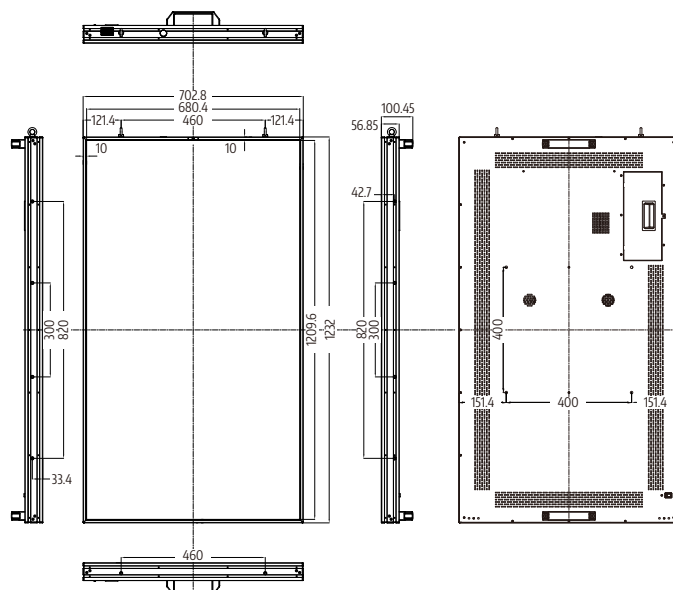
Power Cable	x 1 Power cord (based on region)
Remote Controller	x 1
RS232 Adaptor	x 1
Wifi Antenna	x 1
IR Receiver	x 1
Lifting Ring	x 2
Fillier Pad	x 2
Spring Pad	x 2

Warranty

Warranty	Three year or by contract
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Dimensions

Unit: mm



* Compatibility may differ by equipment.
* Software compatibility may change over time. Please contact your regional sales representative for details.
* Specifications are subject to change without notice, so please contact sales team to verify before ordering